

NPOL report 5/27/2013

Submitted by larrycarey on Mon, 2013-05-27 11:27

Date:

Monday, May 27, 2013 - 11:15

Instrument List:

- [Green](#)

Discussion:

NPOL is green/operational.

Yesterday (5/26), we had a surprise wind even associated with a mesoscale wake low on the back of precipitation system. Caused maximum winds around 39-49 kts (45-56 MPH) based on radar and 48 MPH based on anemometer. Overheated resistor associated with azimuthal motor and it shut down automatically before we could stow antenna in vertical position. We cooled the motor down and restarted after about 40 minutes and it ran fine. Engineers are working why shutting down before 60 MPH sustained specification. Air flow and temperature might be an issue for over-heating.

Similar wake low came through early this morning. We stowed antenna in vertical. Peak winds for this event were around 40 MPH at radar and stronger just to our north. No issues. We re-started after back of precipitation and wake low moved by. Main lesson here is that high winds are not always associated with convective cells, especially in MCS country!

NPOLZdr calibration has been checked with multiple bird bath scans on 5/20 and 5/25. Analysis of high quality BB scans suggest NPOLZdr has no bias (within 0.01 dB).
